LOYOLA UNIVERSITY BULLETIN

Vol. XXIX JULY, 1947 No. 6

COLLEGE OF ARTS AND SCIENCES

DEPARTMENT OF MEDICAL TECHNOLOGY

SESSION ANNOUNCEMENTS

1947-1948

LOYOLA UNIVERSITY
6363 St. Charles Avenue
New Orleans 15, La.

LOYOLA UNIVERSITY BULLETIN

Vol. XXIX July, 1947 No. 6

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The Legal and Corporate Title of the University is
"LOYOLA UNIVERSITY"

All donations, endowments, legacies, bequests, etc., should be made under this title.

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DEPARTMENT OF MEDICAL TECHNOLOGY

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6363 St. Charles Avenue
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1947 - CALENDAR - 1947

JANUARY

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1948 - CALENDAR - 1948

JANUARY

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DECEMBER

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SESSION CALENDAR—1947-1948

FALL SEMESTER

1947

Sept. 9, Tuesday.....9:00 A. M. to 12:00 M.—Registration for Entering Freshmen.

1:00 P. M. to 5:00 P. M.—Placement Tests for Entering Freshmen.

Sept. 10, Wednesday.....9:00 A. M. to 12:00 M.—Registration for Sophomores and Second Semester Freshmen. Placement Tests for Entering Freshmen.

1:00 P. M. to 4:00 P. M.—Registration for Sophomores and Second Semester Freshmen. Placement Tests for Entering Freshmen.

Sept. 11, Thursday.....9:00 A. M. to 12:00 M. and 1:00 P. M. to 3:00 P. M.—Registration for Seniors and Juniors.

10:00 A. M.—Convocation for Entering Freshmen.

7:00 P. M. to 9:00 P. M.—Night School Registration.

Sept. 12, Friday.....9:00 A. M. to 12:00 M.—Completion of Registration for Entering Freshmen.

7:00 P. M. to 9:00 P. M.—Night School Registration.

Sept. 13, Saturday.....9:00 A. M. to 12:00 M.—Saturday School Registration.

1:15 P. M. to 5:30 P. M.—Examinations for removal of conditions incurred in the Summer Session.

Sept. 15, Monday.....Fee for late registration. All classes begin (Day and Night).

Sept. 20, Saturday.....Latest date for registration or schedule adjustments.

Sept. 23, Tuesday.....8:30 A. M.—Mass of the Holy Ghost, Church of the Most Holy Name of Jesus.

Sept. 27, Saturday.....Latest date for filing of applications of candidates for degrees to be conferred in May, 1948.

Nov. 1, Saturday.....All Saints Day. University holiday.

Nov. 4, Tuesday.....Mid-semester Examinations begin.

Nov. 27-29, Thurs.-Sat....Thanksgiving holidays; no classes.

Dec. 3-5, Wed.-Fri.....Annual retreat for all students.

Dec. 6, Saturday.....8:30 A. M.—Closing exercise of retreat, Church of the Most Holy Name of Jesus. No classes.

Dec. 8, Monday.....Feast of the Immaculate Conception. University holiday.

Dec. 20, Saturday.....Christmas vacation begins after last scheduled class.

1948

Jan. 5, Monday.....Classes resumed.

Jan. 20, Tuesday.....Fall Semester examinations begin.

Jan. 31, Saturday.....Fall Semester ends.

SPRING SEMESTER

Feb. 2, Monday.....Registration of new students. No classes.

Feb. 3, Tuesday.....Fee for late registration. Classes and lectures begin.

Feb. 7, Saturday.....Latest date for registration or schedule adjustment.

Feb. 9-10, Mon.-Tues.....Carnival holidays.

Feb. 21, Saturday.....1:15 P. M. to 5:30 P. M.—Examinations for removal of conditions incurred in Fall Semester.

March 24, Wednesday..Easter holidays begin after Day Classes. No Night Classes.

March 30, Tuesday.....Classes resumed. Mid-semester examinations begin.

April 17, Saturday.....Theses due in final form from candidates for degrees to be conferred in May, 1948.

May 6, Thursday.....Ascension Thursday. University holiday.

May 18, Tuesday.....Final examinations begin.

May 28, Friday.....Distribution of Awards, 8:00 P. M.

May 30, Sunday.....Baccalaureate Services.

May 31, Monday.....Commencement Exercises, 8:00 P. M.

June 11-12, Fri.-Sat.....Summer School Registration.

LOYOLA UNIVERSITY

Founded in 1912

Member of the Southern Association of Colleges and Secondary Schools.
Member of the National Catholic Educational Association.
Member of the Jesuit Educational Association.

BOARD OF DIRECTORS OF THE UNIVERSITY

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Rev. Thomas A. Carey, S.J., A.M., *Secretary*
Rev. Hilton A. Crane, S.J., A.M., *Treasurer*
Rev. George A. Francis, S.J., Ph.D.

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Rev. Samuel H. Ray, S.J., A.M., S.T.D., *Student Counsellor*
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Rev. Elmo J. Rogero, S.J., A.B., *Assistant Student Counsellor*
Miss Margaret E. Carey, *Registrar Emerita*
Miss Carmel V. Discon, A.M., *Registrar*
James W. Dyson, A.M., B.S. in L.S., *Librarian*
Martin Morey, A.B., *Director of Public Relations*
Alfred J. Bonomo, A.M., LL.M., LL.D., *Director of Radio Educational Programs*
John L. Kron, B.S., M.D., *University Physician*
Guy J. Knobloch, *Bursar*

FACULTY OF THE
DEPARTMENT OF MEDICAL TECHNOLOGY

John G. Arnold, Jr., A.M., Ph.D. Chairman of Deparment and Director of Academic Training

A. B., Ohio State University, 1930; A.M., Wesleyan University, 1932; Ph.D., New York University, 1934.

Assistant Parasitologist, 1931-1932; Biological Survey, New York State Conservation Department.

Graduate and Research Assistant, Wesleyan University, 1931-1932; Teaching Fellow, New York University, 1932-1934; Instructor, summer of 1934, College of the City of New York; Professor of Biology and Chairman of the Department, Loyola University, 1934—; Chairman, Department of Medical Technology, Loyola University, 1935—.

Membership in Learned Societies: The American Association for the Advancement of Science; The American Society of Parasitologists; Catholic Round Table of Science; The American Microscopic Society; The New Orleans Academy of Sciences; New Orleans Botanical Society; Beta Lambda Sigma, New York University Honorary Biology Society; Sigma Xi; Theta Beta, National Honor Biology Society; Blue Key, National Honor Service Society; National Catholic Educational Association; Beta Epsilon Upsilon; Delta Epsilon Sigma; Gamard, Pre-Dental Society.

Major Field of Research: Parasitology.

Rev. Martin P. Burke, S.J., Ph.D., S.T.D. Professor of Philosophy and Chairman of the Department

A. B., St. Louis University, 1906; A.M., ibid., 1907; Ph.D., Gregorian University, Rome, 1924; S.T.D., Woodstock, 1916.

Teacher, Old Jesuit High School, 1907-1909, 1916-1917; Professor, Springhill College, 1909-1912; Professor and Chairman of the Philosophy Department Loyola University, 1918—.

Membership in Learned Societies: Catholic Philosophical Association.

Major Field of Research: Philosophy.

Maurice Couret, M.D.* Professor of Medical Technology, Director of Hospital Training

A.B., College of the Immaculate Conception, 1891; A.M., ibid., 1893; M.D., Tulane University, 1896.

Assistant Pathologist, Charity Hospital, 1905-1910; Pathologist, ibid., 1910-1917; Pathologist, Hotel Dieu, 1910—; Pathologist, Illinois Central Hospital, 1915-1925; Director, Pathological Laboratory, Charity Hospital, 1923-1927; Assistant Professor of Pathology and Bacteriology, Tulane University, 1905-1929; Private Laboratory, 727 Audubon Building.

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society; Active Staff, Hotel Dieu.

Major Field of Research: Clinical Pathology.

* Deceased.

Rev. George A. Francis, S.J., A.M., Ph.D. Professor of Chemistry and Chairman of the Department

A.B., Woodstock College, 1918; A.M., St. Louis University, 1919; Ph.D., Fordham University, 1922.

Teacher, College of the Immaculate Conception, 1912-1914; Professor and Chairman of the Chemistry Department, Loyola University, New Orleans, 1923—.

Membership in Learned Societies: American Chemical Society; New Orleans Academy of Sciences.

Major Fields of Research: Biochemistry and Organic Chemistry.

James Amedée Gaudet, M.D. Professor of Medical Technology

Student Assistant in Anatomy, Department of Dentistry, Tulane University, 1919-1920, Student Assistant in Neurology, Tulane University, 1920; Director of Clinical Pathology, James T. Nix, Clinic, 1922—.

Membership in Learned Societies: Fellowship, American Medical Association, 1923-1933, Southern Medical Association, 1923-1930; American Medical Association, 1923-1935; Orleans Parish Medical Society, 1923-1933; Louisiana State Medical Society, 1923-1933; Theta Beta, National Honor Biology Society.

Major Field of Research: Clinical Pathology.

George Hauser, M.D. Professor of Medical Technology, Director of Hospital Training

M.D., Tulane University, 1915.

Interneship, Charity Hospital, 1916-1917; City and State Board of Health, Assistant Bacteriologist and Pathologist 1917; Pathologist, Charity Hospital, 1924-1928; Pathologist, Illinois Central Hospital 1919-1923; Director and Pathologist, Mercy Hospital, 1924—; Assistant Coroner, 1924-1928; Private Laboratory, 727 Audubon Building, 1918—; Active Staff, Mercy Hospital and Hotel Dieu; Professor of Bacteriology and Pathology, Loyola Post Graduate School of Medicine; Bacteriology and Laboratory Technique; Mercy Hospital Nursing School.

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society; Southern Medical Society; American Society of Clinical Pathologists; Alpha Omega Alpha, Stars and Bars.

Major Field of Research: Clinical Pathology.

Aldea Maher, M.A., M.D. Director of Hospital Training Professor of Medical Technology

A.B., Newcomb College, Tulane University, 1913; M.A., Tulane University, 1914; M.D., ibid., 1919.

Interneship, Charity Hospital, New Orleans, 1919-1920; Pathologist, Womens Dispensary, 1919-1920; Instructor, Laboratory Clinical Medicine, Tulane University, 1920-23; Director, Pan-American Laboratory, 1923-; Associate Pathologist, Hotel Dieu, 1920-; Professor of Physiological Chemistry, Loyola University, 1930-40; Professor of Chemistry, Hotel Dieu Training School for Nurses; Active Staff of Hotel Dieu.

Membership in Learned Societies: American Medical Association; Louisiana State Medical Society; Orleans Parish Medical Society;

Women's National Medical Association; American Society of Clinical Pathologists; Alpha Omega Alpha, Honorary Fraternity; Stars and Bars.

Major Field of Research: Clinical Pathology.

Rev. Karl A. Maring, S.J., A.M., Ph.D. Professor of Physics

A.B., Woodstock College, 1915; A.M., ibid., 1916; Ph.D., St. Louis University, 1932:

Instructor Spring Hill High School, 1916-1918; Professor of Chemistry, St. Charles College, 1918-1921; Instructor in Physics, Spring Hill College, 1925-1928; Teaching Fellow, St. Louis University, 1928-1931; Professor Physics and Chairman of the Department, Loyola University, 1931—.

Membership in Learned Societies: American Mathematical Society; Board of Southern Intercollegiate Mathematical Association; New Orleans Academy of Sciences; American Association for the Advancement of Science.

Major Field of Research: Light and Atomicphysics.

Edmond L. Merilh, M.S. Professor of Biology

B. S., Spring Hill College, 1917; Certificate of Bacteriology and Pathology, Loyola University, 1922; M. S., Loyola University, 1923.

Instructor in Biology, Loyola University, 1919-1922; Associate Professor of Biology, ibid., 1922-1943; Professor, ibid., 1943—.

Membership in Learned Societies: The Louisiana Academy of Sciences; The American Association for the Advancement of Science; The Catholic Round Table of Science; The American Pharmaceutical Association; Member of the Board, Eye, Ear, Nose and Throat Hospital; New Orleans Academy of Science; American Microscopical Society; Phi Rho Sigma Fraternity; Theta Beta, National Honor Biology Society; Louisiana Department of Conservation; Moderator of Agramonte Society; National Catholic Educational Association; New Orleans Botanical Society; Blue Key. National Honor Service Fraternity; L'Union Francaise; National Geographic Society; O. L. Pothier Biological Society; Lifetime Professional (Teacher's) Certificate, State of Louisiana; Beta Epsilon Upsilon.

Major Field of Research: Pathogenic Bacteriology.

Rev. Eugene J. O'Connor, S.J., A.M., Ph. D. Professor of English and Chairman of the Department

A.B., Woodstock College, 1911; A.M., St. Louis University, 1912; A. M., Loyola University, 1920; Ph.D., Georgetown College, 1913.

Instructor, St. Charles College, 1913-1914; Instructor, Spring Hill College, 1914-1917; Teacher, Jesuit High School, 1922-1923; Principal, Tampa Jesuit High School, 1924-1926; Instructor of English, Loyola University, 1926-1928; Associate Professor of English, ibid., 1928-1930; Professor of English and Chairman of English Department, ibid., 1930—.

Membership in Learned Societies: Modern Language Association.

Major Field of Research: Classics.

Rev. Charles J. Quirk, S.J., A.M. Professor of English

A.B., Woodstock, 1914; A.M., St. Louis University, 1937.
Instructor, St. Louis University, 1936-1937; Professor, Spring Hill College, 1937-1939; Professor of English, Loyola University, 1939—.
Membership in Learned Societies: Poetry Society of America; Poetry Society of Alabama; Delta Epsilon Sigma.
Major Field of Research: Poetry.

Samuel H. Ray, S.J., A.M., D.D. Chairman of the Department of Theology and Professor of Theology

A.B., Gonzaga University, Spokane, Wash., 1917; A.M., ibid., 1918; Teacher in High School at St. Charles College, Grand Coteau, 1918-1922; Professor in St. Charles College, 1927-1929; Professor of Religion, Chairman of the Department, and Dean of Men, Loyola University, 1933-1942, 1946—.
Membership in Learned Societies: National Sodality Union.
Major Field of Research: The Classics.

J. Henri Amiel, M.A., Ph.D. Associate Professor of Modern Foreign Languages and Chairman of the Department

A.B., College of William and Mary, 1930; A.M., University of Illinois, 1933; Ph.D., ibid., 1939.
Instructor, College of William and Mary, 1927-1931; Assistant Professor, University of Illinois, 1931-1939; Assistant Professor, Ohio State University, 1939-1940; Assistant Professor, University of Alabama, 1940-1941; Assistant Professor, Loyola University, 1941-1942; Associate Professor and Chairman of the Department, 1942—.
Membership in Learned Societies: Modern Foreign Language Association; American Association of Teachers of French; Societe des Professeurs Francais en Amerique; American Association of University Professor; South Central Association.
Major Field of Research: French Literature.

Paul F. Bailey, M.S. Associate Professor of Chemistry

B.S., Loyola University, 1926; M.S., ibid., 1940.
Professor of Chemistry, Jesuit High School, 1926-1928; Assistant Professor of Chemistry, Loyola University, 1930-1942; Associate professor, ibid. 1942—.
Membership in Learned Societies: New Orleans Academy of Sciences; Theta Beta, National Honor Biology Society.
Major Field of Research: Chemistry.

Timothy L. Duggan, M.S., M.T. Associate Professor of Medical Technology

A.B., Loyola University, 1929; M.S., ibid., 1936; Registered Medical Technician, American Society of Clinical Pathalogists, 1940.
Graduate Assistant, Loyola University, 1934-1936; Instructor, ibid., 1936-1940; Assistant Professor of Medical Technology, ibid., 1940-1946; Associate Professor of Medical Technology, ibid., 1946—.
Membership in Learned Societies: Theta Beta, National Honor Biology Society; New Orleans Academy of Science; Catholic Round Table of Science; Beta Epsilon Upsilon; Gamard, Pre-Dental Society.
Major Field of Research: Bacteriology and Medical Technology.

José O. Monasterio, C.E. Associate Professor of Mathematics

C.E., Chapultepec Military Academy, 1903.

Membership in Learned Societies: American Mathematical Society; American Society for the Advancement of Science; New Orleans Academy of Sciences.

Major Field of Research: Mathematics.

Walter G. Moore, A.M., Ph.D. Associate Professor of Biology

A.B., Wayne University, 1934; A.M., University of Minnesota, 1938; Ph.D., ibid., 1940.

Assistant Biologist, U. S. Forest Service, Summer, 1935; Assistant Biologist, Minnesota Department of Conservation, Summers, 1937-40.

Laboratory Assistant in Zoology, Wayne University, 1931-1934; Instructor in Zoology, Wayne Freshman College, 1934-1935; Teaching Assistant in Zoology, University of Minnesota, 1935-1940; Instructor in Biology, Loyola University, 1940-1941; Assistant Professor in Biology, ibid., 1941-1946; Acting Chairman, Department of Biology and Medical Technology, ibid., 1942-1944; Associate Professor in Biology, ibid., 1946—.

Membership in Learned Societies: Minnesota Academy of Science; New Orleans Academy of Science; New Orleans Society of Plant Sciences; Limnological Society of America; Ecological Society of America; American Microscopical Association; American Society of Icthyologists and Herptologists; American Association for the Advancement of Science; Sigma XI; Theta Beta, National Honor Biology Society; Gamma Alpha, Graduate Scientific Fraternity; Beta Epsilon Upsilon; Agramonte Premedical Society; Biological Consultant, Louisiana State Conservation Department.

Major Field of Research: Aquatic Ecology and Limnology.

Rev. William A. Mulherin, S.J., A.M. Associate Professor of Philosophy

A.B., Mt. St. Michael, Spokane, 1921; A.M., ibid, 1922.

Instructor, Springhill College, 1931-35; Assistant Professor, ibid., 1935-41; Associate Professor, ibid., 1941-43; Associate Professor, Loyola University, 1945—.

Major Field of Research: Philosophy.

Rev. Louis G. Soniat, S.J., A.M. Associate Professor of Modern Foreign Languages

A.B., Gonzaga University, 1925; A.M., ibid., 1926.

Instructor in English, University of Tiensin, China, 1928-1930; Assistant Professor of French, Loyola University, 1935-1942; Associate Professor, ibid., 1942—.

Major Field of Research: French.

Victor H. Baker — Assistant Professor in German and Journalism

Certificate, Die Hochschule Fur Welthandel, University of Vienna, 1908.

Lecturer in Journalism, Loyola University, 1941-42; Instructor, ibid., 1942-44; Assistant Professor, ibid., 1944—.

Membership in Learned Societies: American Association of Teachers of Journalism; The American Academy of Political and Social Science.

Major Field of Research: Journalism—propaganda and censorship.

Gerald J. Eberle, A.M., Ph. D. — Assistant Professor of English

A.B., St. Norbert College, 1934; A.M., University of Wisconsin, 1936; Ph.D., ibid., 1945—.

Instructor, St. Norbert High School, 1932-1934; Instructor, St. Norbert College, 1934-1935; Instructor of English, Loyola University, 1935-1940; Assistant Professor of English, ibid., 1940—.

Major Field of Research: English.

Catherine G. Goetz, B.S. in M.T., M.T., M.S. — Assistant Professor of Medical Technology

B.S., in M.T., Loyola University, 1939; Registered Medical Technician, American Society of Clinical Pathologists, 1939; M.S., Tulane University, 1944.

Medical Technologist, Hotel Dieu, 1939-1940; Medical Technologist, Loyola University, 1940-1941; Instructor, ibid., 1941-1945; Assistant Professor, ibid., 1945—.

Membership in Learned Societies: New Orleans Society of Medical Technology; Theta Beta, National Honor Biology Society; Beta Epsilon Upsilon, National Medical Technology Society; Louisiana State Society of Medical Technology.

Major Field of Research: Clinical Pathology.

Mark Daniel Horne, A.M., Ph.D. — Assistant Professor of English

Ph.B., Loyola University, 1934; A.M., Louisiana State University, 1935; Ph.D., ibid., 1939.

Instructor in English, Alcee Fortier High School, 1935; Teaching Fellow in English, Louisiana State University, 1936-1938; Instructor of English, Loyola University, 1938-1941; Assistant Professor of English, ibid., 1941—.

Major Field of Research: English.

Rev. Thomas F. Maher, S.J., A.M. — Assistant Professor of English

A.B., Gonzaga University, 1924; A.M., ibid., 1925.

Instructor, Jesuit High School of Tampa, 1925-1926; Instructor, Jesuit High School of New Orleans, 1926-1928; Instructor, St. John's College, 1933-1937; Instructor of English, 1937-1942; Assistant Professor, ibid., 1942—.

Membership in Learned Societies: National Association of Teachers of Speech; Southern Association of Teachers of Speech.

Major Field of Research: English.

Rev. Edward W. Shields, S.J., A.M., S.T.L. Assistant Professor of Philosophy

A.B., Gonzaga University, 1929; A.M., ibid, 1930; S.T.L., St. Mary's College of St. Louis University, 1941.

Instructor, Jesuit High School, 1930-1934; Instructor of Philosophy, Loyola University, 1939-1942; Assistant Professor, ibid., 1942—.

Membership in Learned Society: Catholic Philosophical Association.

Major Field of Research: Philosophy.

Florence B. Strohmeyer, M.S. Assistant Professor of Chemistry

B.S., North Dakota State College, 1934; M.S., ibid. 1936.

Instructor, St. Mary of the Woods College, Terre Haute, Indiana, 1937; Montecassino College, Tulsa, Oklahoma, 1938; Briarcliff College, Sioux City, Iowa, 1939-41; Ursuline College, New Orleans, 1941; Southern Regional Laboratory, New Orleans, 1942; Higgins Research Laboratory, 1943; Dominican College, New Orleans, 1944-45; Loyola University, 1946-.

Membership in Learned Societies: American Chemical Society; New Orleans Academy of Sciences.

Major Field of Research: Chemistry.

Lawrence J. Strohmeyer, M.S. Assistant Professor of Physics

B.S., Loyola University, 1938; M.S., New York University, 1940.

Graduate Assistant, New York University, 1938-1941; Instructor of Physics, Loyola University, 1941-1944; Assistant Professor, ibid., 1944—.

Membership in Learned Societies: American Physical Society; New Orleans Academy of Science.

Major Field of Research: Electronics.

John I. Daspit, M.S. Instructor of Physics

B.S., Loyola University, 1937; M.S., Louisiana State University, 1940.

Instructor, Jesuit High School, 1938-1939; Teaching Fellow, Louisiana State University, 1937-1938, 1939-1940; Instructor of Physics, Loyola University, 1940—.

Membership in Learned Societies: American Association for the Advancement of Science.

Major Field of Research: Electronics.

Lucien C. Delery, M.D. Instructor of Medical Technology

B.S., Loyola University, 1935; B.M., Louisiana State University, 1938; M.D., ibid, 1939.

Instructor of Medical Technology, Loyola University, 1941—.

Membership in Learned Societies: Beta Zeta Chapter, Phi Beta Pi; Orleans Parish Medical Society; Louisiana State Medical Society; American Medical Association; Secretary of Staff of French Hospital, 1941-1942; Theta Beta, National Honor Biology Society; Fellow of the Gorgas, Louisiana State University, 1936.

Major Field of Research: Medicine.

Leonardo C. DeMorelos, A.M. — Instructor of Spanish

A.B., University of California at Los Angeles, 1934; A.M., ibid., 1935.

Assistant Professor of Spanish and French, Armstrong Junior College, 1936-1937; Instructor of Spanish, Loyola University, 1937—.

Membership in Learned Societies: Junior College Association of Northern California; Sigma Delta Pi, National Spanish Honor Society.

Major Field of Research: Spanish.

John L. Kron, Jr., M.D. — University Physician

B.S., Loyola University, 1935; B.M., Louisiana State University, 1938; M.D., ibid., 1939.

Instructor of Medical Technology, Loyola University, 1940-1946, University Physician, 1946—.

Membership in Learned Societies: Beta Zeta Chapter, Phi Beta Pi; Orleans Parish Medical Society; Louisiana Medical Society; American Medical Association; Theta Beta, National Honor Biology Society.

Major Field of Research: Medicine.

John D. Schneidau, Jr., M.S. — Instructor of Biology

B.S., Loyola University, 1938; M.S., Tulane University, 1940.

Graduate Assistant in Botany at Tulane, 1938-1940; Instructor, Loyola University, 1945—.

Membership in Learned Societies: New Orleans Academy of Sciences, New Orleans Botanical Society; Beta Mu, Tulane Honorary Biology Society; Theta Beta, National Honor Biology Society; Fellow American Geographical Society.

Major Field of Research: Botany.

Gula M. Miller, A.B. — Secretary of the Department

A.B., Southwestern Louisiana Institute, 1935. Life Professional Certificate (Teacher's), State Department of Education of Louisiana, 1938. Secretary, Department of Education, Loyola University, 1941-43; Secretary, Departments of Medical Technology and Biology, ibid, 1944—.

GENERAL STATEMENT

History The Department of Medical Technology was founded September 15, 1935. On August 29, 1936, the Department was accredited by the Council on Medical Education and Hospitals of the American Medical Association, and by the Board of Registry of the American Society of Clinical Pathologists. In March, 1942, as a matter of national policy, accreditation was transferred from the various colleges and universities to the affiliated hospital training schools where the practical clinical laboratory training is received. Through its two fully accredited affiliated hospital training schools at Hotel Dieu and Mercy Hospital, the Loyola University Department of Medical Technology provides the fullest opportunity for complete and thorough training in the theoretical and practical aspects of clinical laboratory work, as well as a well-rounded University course leading to the degree of Bachelor of Science in Medical Technology.

Location The Department of Medical Technology is located on the Campus of Loyola University, which is situated at 6363 St. Charles Avenue, in the heart of the residential section.

Dormitory Facilities The University does not maintain dormitories for women. University approved rooms may be obtained in vicinity of the University at reasonable rates.

Men may obtain rooms in the University's residences. Rates for rooms range from ten to twelve dollars a month. Meals may be obtained from the University's Cafeteria at reasonable rates.

Student Organizations To encourage the more ambitious student and to honor him, there are various societies and fraternities.

Sodality of the Blessed Virgin Mary For the purpose of fostering religious faith and fervor, and to encourage ambitious students to spiritual and scholastic leadership, the University Sodality offers many opportunities for personal development. as well as training and practice in social work and religious activity. Weekly meetings are held for the discussion of phases of Catholic life, and bi-weekly the Sodality gathers

in the Louise Thomas Memorial Chapel to recite the office of the Immaculate Conception and receive Holy Communion in a body.

Student Council The Student Council consists of eighteen members, representing the College of Arts and Sciences, the Schools of Law and Dentistry, and the Colleges of Pharmacy and Music. These members, students, are selected by the student body, with the approval of the Faculty, from each of these groups. The duty of the Council is to unify student thought and action. It conducts general meetings and elections, sponsors and manages interclass contests, helps the student publications, and leads and directs student activities.

Debating Club Students participate weekly in exercises of public speaking. To further this activity among the students and to develop special oratorical talent, a Debating Club has been formed, which conducts debates with colleges and universities in various sections of the country.

Thespian and Literary Society The purposes of the Thespians are to develop and give an outlet to the dramatic talent of the students. With this object in view, several plays are given during the year.

Glee Club The Loyola Glee Club takes an active part in the public entertainments and assemblies of the university, and has a schedule of concerts it gives each year for public receptions and for radio programs over the Loyola Broadcasting Station, WWL.

University Band Membership in the University Band is open to all students who have the required training and ability. All who become members are expected to be regular and prompt in attendance at the appointed rehearsals.

Student Publications The students of the University, under Faculty supervision, publish the *Maroon,* a weekly, the editor of which is appointed by the Faculty Committee on Student Publications, and he in turn appoints the editorial staffs. The business management is in the hands of the students. Thus, their various duties in the editorial, reportorial, advertising and subscription departments render them familiar with phases of life outside of college that will be of benefit to them in their future careers.

Scientific Societies and Fraternities The Biology, Chemistry, Physics, and Mathematics Societies meet regularly for the discussion of special problems and for special lectures on scientific subjects. Students are eligible to membership in these societies subject to the special requirements for admission to each respective society.

Medical Technology students are also eligible to membership in the honorary and the Greek letter fraternities that are active on the campus, such as Blue Key, Alpha Sigma Nu, Upsilon Beta Lambda, Alpha Delta Gamma, Sigma Alpha Kappa, Theta Beta, Beta Epsilon Upsilon, Lambda Sigma Lambda, and Alpha Pi Omicron.

Entrance Procedure Applicants for admission to the Freshman class as candidates for a degree must be of good moral character and present evidence of the satisfactory completion of four years of high school work, or its equivalent.

At least fifteen standard high school units are required, nine of which are listed under the Unit Requirements for Admission. The remaining units must be chosen from the list of Elective Units, with this double limitation: that of these electives, not more than three units in vocation subjects will be accepted, and no credit will be allowed for less than two years in any foreign language.

Application for admission accompanied by proper credentials shall be filed with the Registrar at least two weeks in advance of the date of registration. Applications and credentials presented later than two weeks before the opening of the semester will not be considered, except when, in the opinion of the Committee on Admission, there is a very worthy reason for doing so. It is obligatory to submit on entrance official records from all schools previously attended. These credentials are to be sent directly by the proper officer of the school in which they were earned, and not through the student. Credentials which are accepted for admission become the property of the University and are kept permanently on file. Blank forms for entrance certificates may be had on application to the Registrar.

It is recommended that the applicants have their credentials sent to the Registrar immediately after graduation from High School. This will enable the Committee to pass on their eligibility and to inform them of any deficiencies that must be made up in Summer School.

The University reserves the right to refuse admission to applicants whose preparatory work is of such a grade as to create doubt regarding their ability to pursue college work successfully.

All students are expected to be matriculated before the opening of the session, thus allowing ample time to be assigned to class, and be provided with laboratory equipment.

Students are expected to be present on the opening day of classes. No student will be admitted under any circumstances after the first ten days.

Methods of Admission *Admission by Certificate*—Admission without examination, on certificate, is granted to students from secondary schools accredited by any recognized standardizing agency, or by the State Board of Education, or by the State University of the State in which the high school is located.

Admission to Advanced Standing—Advanced Standing will be given, at the discretion of the Committee on Undergraduate Studies, to an applicant who fulfills the high school requirements for admission, and who presents a transcript from the proper officials of another institution of accredited collegiate rank. Such credits are granted conditionally, and will become final only after the student does satisfactory work.

Students applying for Advanced Standing should have a full transcript of their credits sent to the Registrar of the University in advance of their registration.

Admission Requirements Preparation qualifying for admission to University courses is expected to cover normally a period of four years in a secondary school (High School or Academy). Admission credits are stated in terms of units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. Two hours of laboratory work are equivalent to one hour of prepared classroom work.

Not more than four units are accepted in one subject.

1. It is strongly advised that all students be prepared to present the following units:

	Units
English	4
Algebra	1
Social Science	2
Plane Geometry	1
Latin or Modern Foreign Language	2*
Biology, Chemistry, Physics	1

2. In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from the following groups, with the exception that not more than *three* units may be offered from Group B, and not more than *one* unit from any single subject in that group.

Group A

	Units		Units
English	1	Trigonometry	½
Latin	1 - 4	Botany	½ - 1
Greek	1 - 4	Chemistry	1
French	1 - 4	Biology	1
German	1 - 4	General Science	½ - 1
Spanish	1 - 4	Physics	1
History	1 - 3	Physiology	½
Civics	½ - 1	Zoology	½ - 1
Economics	½ - 1		

Group B

	Units		Units
Bookkeeping	1	Drawing	1
Commercial Law	½	Music	1
Commercial Arithmetic	½	Typewriting	½
Commercial Geography	½	Stenography	½

STUDENT FEES

Student Fees Fees are paid in four installments in each scholastic year—the first on the date of registration, the second on November 1st, the third on February 1st and the fourth on April 1st.

Auditors are charged on the same basis as part-time students, $5.00 per semester hour scheduled.

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*Language requirement may be waived provided, that the student schedules elementary language in college.

The following are the fees in the College of Arts and Sciences:

Tuition	$200.00 per year
University Fee	60.00 per year
Matriculation Fee	5.00
Late Registration	2.00 per day
Graduation	25.00
Cap and Gown Deposit	30.00
Conditional Examination	2.00
Entrance Examination	2.00
Late Examination	2.00
Transcript (after first)	1.00
Locker	2.00

Additional fees are charged for certain courses. These fees must be paid by those who schedule the following courses.

Science Laboratory	$ 15.00 per semester
Education 350	15.00
Expression 211-212	5.00 each
Expression 214	10.00

The University Fee includes fees for registration, student publications, athletics, forum, physical education and certain student activities.

The Matriculation Fee is charged only at the time of a student's first registration in the College of Arts and Sciences.

The Graduation Fee is payable on May 1. The Cap and Gown deposit is paid by Seniors on the day of registration for the use of the academic cap and gown during the year. The full deposit will be refunded provided the cap and gown are returned in good condition immediately after graduation. If they are returned more than two months after graduation, only $10.00 will be refunded.

The Late Examination fee will be charged for any examination taken later than the assigned date, no matter what the excuse. Except for sickness, no late examination will be given unless permission is obtained from the Assistant Dean prior to the regularly scheduled examination.

Students will be taxed for excessive breakage or destruction of University property. The decision covering each case will be made by the University.

Until a student's indebtedness is paid in full, no transcript of credits or record of his work will be released from the University.

Refund Policy If a student withdraws from the University within ten days after a payment is due, he will be refunded the full amount of his payment for that period less $10.00. No other refunds will be made except to the student who has paid a science laboratory fee and with permission of the Dean withdraws from that laboratory science course within ten days after registration. He will be refunded the full amount that he has paid for the course. No refunds will be made unless the student fills out the proper withdrawal forms which can be obtained at the Office of the Registrar.

Student Loans. The Kellogg Foundation has made available to Medical Technology students a number of student loans. The loans may be in any amount up to $300.00 in any one year. The loans carry a very low rate of interest, and amortization of the principal need not begin until one year after graduation. Payments on the principal are spread over a four year period.

Similar loans can also be made to Medical Technology graduates during their clinical internship, providing this internship is being taken at one of the hospital training schools affiliated with the Loyola University Department of Medical Technology.

ADMINISTRATIVE PROCEDURE

The College Year Instruction begins in the second week of September on the day specified in the Calendar. Instruction includes thirty-four weeks divided into two semesters of seventeen weeks each. There is a recess at Christmas and at Easter. Instruction is suspended on legal holidays and on holy days of obligation observed in the Catholic Church.

Instruction The unit of instruction is one hour a week for one semester. Two hours of work in the laboratory are considered equivalent to one hour of recitation. Students may receive credit only for the number of hours published with a course. No credit will be allowed for a course for which a student is not regularly registered.

Attendance as auditors is not granted to regular students without written permission of the Dean.

Withdrawals A student who withdraws from the University during a semester before taking the final examinations of the semester forfeits all credit for work done in that semester.

To obtain his honorable dismissal on withdrawing from the University, the student must obtain from the Dean a written permission for such withdrawal, which must be presented to the Registrar. This written permission will not be given if the student has not met all financial obligations to the University, or if he is under any official censure, or if there is any official charge pending against him.

A student desiring to withdraw from a schedule course or to add another course after his semester's schedule has been filed in the Registrar's office may do so only after having obtained written permission from the Dean. Permission to add a course or to change from one section of a course to another will not be granted after the date indicated in the Session Calendar as the last day for schedule adjustments.

Attendance The University is insistent on regular and punctual attendance. Each tardiness, defined as a student's failure to be present when his name is called at the beginning of each class or laboratory, will be counted as a third of an absence.

The student coming late is responsible for seeing that the instructor changes the absence noted at the beginning of the class to a tardiness.

Any student incurring more than six absences in a course which carries three or more semester hours will be dropped from the course automatically. In courses of less than three semester hours the maximum number of absences will be double the number of semester hours, e.g. in a two semester hour course, four absences will be the maximum allowed; in a one semester hour course, two absences will be the maximum.

Students who have exceeded the maximum number of absences will have a right to petition the Committee on Attendance, if their class standing is good and a serious reason has warranted each absence.

Students petitioning reinstatement should do so within twenty-four hours after they receive notification that they have been dropped from a course. The petition must be submitted by letter to the Assistant Dean and must include the reason for each absence, giving dates, etc. While the petition is being reviewed by the Committee on Attendance the student will be permitted to attend classes on probation. The decision of the Committee on Attendance will be final.

Extended absences due to sickness must be verified by a doctor's certificate. Attendance at funerals or weddings, out-

side work, transportation difficulties, and the like will not be accepted as excuses for excessive absences.

Students entering class more than five minutes after the starting bell will be recorded absent.

Absences for any excuse whatever do not exempt a student from quizzes, tests, examinations, or other written work required during the period of absence. The responsibility for making up such work rests wholly upon the student. A failing grade for the omitted work will be charged against the student if he does not fulfill his obligations within the time limit determined by his professors.

Discipline The educational system of this University includes, as one of its most important features, the formation of character. It is expected that each student will be so loyal to the spirit and ideals of his Alma Mater that the exercise of proper self-control will come from his own convictions and free determination.

The College rules and regulations are meant as a guide and help to foster that gentlemanly and lady-like conduct which is presupposed in every Loyola student. These rules require regular and punctual attendance at all scheduled exercises, obedience to college customs and regulations, serious application to study, and blameless conduct. A student who shows himself deficient in these essential points will be suspended or dismissed.

The University reserves the right to dismiss at any time a student who fails to give satisfactory evidence of earnestness of purpose and of interest primarily in the serious work of college life. Dismissal may be made without specific charges, and, in rare cases, perhaps on grounds that will seem insufficient to students and parents. The University, in these cases, holds itself to be the more capable judge of what affects the interests of the institution and the student body.

Health Each student must present himself to the Department of Health Service for a medical and dental examination at the opening of school. Record cards indicating defects, weaknesses, etc., will be kept, and the student will be advised as to the proper methods of removing these obstacles to health and improving his physical conditions.

Each student must be vaccinated before admission, unless he can furnish proof that he has been vaccinated recently.

Examinations One written test and one examination are required in each subject each semester. Weekly quizzes may be given at the discretion of the professors. The result of the examinations, combined with the grade for the student's class and laboratory work and tests, will determine the final or passing grade for the semester.

A student will not be permitted to take the semester examination in a course unless he has fulfilled the following requirements:

1. He must have taken the required mid-semester test and completed all assigned work in the course during the semester.

2. He must have made at least an average grade of "D," computed by combining in proper percentages his grades for all tests, quizzes, laboratory work, and other assigned matter.

3. He must have attended the required number of classes, lectures, and laboratory periods.

The passing grade in the Department of Medical Technology is "D." The student obtaining this grade or above receives credit for the number of semester hours allowed for that portion of the course.

A grade of "E" represents a condition. This condition may be removed only by examination. Only one such examination is allowed, and only on the day assigned by the Dean. If the student is successful in the examination, he receives the full credit of semester hours, but the highest average allowed for his permanent record for this subject is "D." If the student fails to make a "D" in this examination, the condition becomes a failure, and the course must be repeated.

Students absent from any examination, unless for the very gravest of reasons approved by the Assistant Dean, will receive a failure grade in that course.

For each condition examination, and for each regularly scheduled examination taken out of course, a fee of $2.00 will be charged.

Reports. Reports containing a record of the student's class standing and attendance are sent to parents or guardians. Special reports are made when it is deemed advisable, or upon special request.

Grades are reported as follows:

Grades—A, 93-100; B, 85-92; C, 77-84; D, 70-76; E, 55-69 (condition); F, 0-54 (failure); FE, failure because of excessive absence; FS, failure because of pre-examination scholastic deficiency; W, withdrew from course with permission; WF, failure because of withdrawal from course without faculty permission.

Classification of Students Those students are ranked as Sophomores who have credit for thirty-six semester hours; Juniors, those who have seventy-two semester hours; Seniors, those who have one hundred and eight semester hours. Students not included in any of these classifications are registered either as special students or as out-of-course students.

Scholastic Standing The standing of a student is computed on all hours attempted, including elementary languages, but excluding authorized withdrawals. All attempts at a course which has been failed and repeated or which has been repeated to raise the quality of work will be counted in computing a student's scholastic standing.

Scholastic Probation and Dismissal 1. All students admitted on the basis of entrance examinations and veterans admitted, by concession, without the required quality in their previous academic records will be placed on scholastic probation for one semester. If at the end of one semester such a student has earned a "C" average and has passed all subjects scheduled, he will be removed from probationary status. If he fails to make a "C" average but achieves an average of at least 0.5 and does not fail more than one subject, he may apply for an extension of his probationary status, which will not under any circumstances be extended beyond one more semester, during which he must pass all subjects and raise his average for the year to a "C". Should he fail to meet the above conditions, he will be dismissed from the University for scholastic deficiency.

2. Students who fail two subjects or whose average is less than 0.25 in any one semester will be placed on probation for the next semester. If, in the next semester, they fail to earn a "C" average and pass all subjects scheduled, they will be dismissed from the University.

3. Students who fail three or more subjects in one semester will be required to leave the University for a semester. If

they return, they will be obliged to repeat all subjects scheduled in their last semester at the University, must earn a "C" average and pass all subjects. Otherwise they will be dismissed from the University.

4. Students who do not have a general "C" average and a "C" average in their major and minor fields of concentration at the end of their sophomore year or at the beginning of the last semester of their senior year will be given one semester to remedy their deficiencies. During that semester, they may not schedule any advanced courses. If they fail to attain the required "C" average, they will be dismissed from the University.

5. Students on scholastic probation will not be allowed to schedule more than 12-14 semester hours.

6. As far as possible, in keeping with University regulations and Summer Session schedules, all courses failed must be repeated in the Summer Session. Students who neglect to repeat such courses in the Summer will not be allowed to begin the next year of their degree program until the courses failed have been repeated successfully.

Eligibility Rules Students taking part in dramatic performances, public debates, oratorical or elocution contests, or intercollegiate athletic contests, and those who are appointed to the staffs of the University publications, as well as the officers of student organizations, are subject to the following eligibility rules:

1. They must be enrolled each semester in at least twelve semester hours of work in regular or special courses as defined in the curriculum of the University.

2. They must have passed at least twelve hours of the work in which they were enrolled for the last semester in residence.

3. They must not be under official censure of any kind.

Degree Conferred The degree of Bachelor of Science in Medical Technology is conferred by the College of Arts and Sciences on the satisfactory completion of the required work in the Department of Medical Technology.

REQUIREMENTS FOR GRADUATION

General Requirements The conditions for the Baccalaureate degree are the following:

1. The satisfactory completion of the four-year course leading to the degree for which the student is a candidate.

2. The candidate for a degree shall pass successfully a comprehensive examination in the field of Medical Technology during the first week in April of the year in which it is expected that the degree will be conferred.

3. To be accepted for credit in fulfillment of any requirement for a degree, all work must be completed with at least the grade D, and a grade of C or better must be made each semester in every upper division subject taken by the student in each area of his field of concentration.

4. The payment of all indebtedness to the University, including the graduation fee, in advance.

5. No student shall be considered a candidate for a degree if he has any deficiencies at the beginning of the second semester of his Senior year.

6. All applicants for a degree must file in the Registrar's office, during the fourth week of September of their Senior year, a formal application for their degree.

7. All candidates must be present at the Commencement Exercises and receive their degree in person. No excuse, except that of serious illness attested by a reputable physician, will be accepted. The University will not confer degrees *in absentia.*

I. Amount of Work To receive a Baccalaureate degree, a student is required:

1. To complete 136 semester hours of work, and to secure 136 quality points; that is, an average rating of C grade or better in all subects. In addition to the required 136 hours, all Catholic students must take courses in Theology each semester.

2. A certain amount of prescribed work must be done. (See "Character of Work.")

3. In selecting the elective work, the Major and Minor requirements must be kept in mind.

4. Free electives, which afford opportunity either for broader culture or for greater specialization, as the student may choose, may be taken. It is particularly recommended that Algebra, Trigonometry, and General Physics be taken as electives.

5. All male students will be required to take physical education during their two years at the University. Unless a male student has fulfilled the requirement in Physical

Education by the beginning of his senior year, he will not be allowed to carry a schedule entitling him to graduate at the end of that scholastic year.

6. Students who wish to schedule courses at other colleges and have such courses recognized as partial fulfillment of their Degree Program at Loyola must obtain the written permission of the Dean before such courses are scheduled. Failure to obtain such written permission will render the courses unacceptable to Loyola.

II. Quality of Work A candidate for a degree must present not only the required quantity of work, but he must attain a certain standard of excellence in his work, especially in his Major Field. For this reason, the candidate for a Bachelor degree must present, in addition to the 136 semester hours of credit, 136 credit points for quality of work, or an average mark in all subjects of C or better.

Credit points are earned in the following manner: For the grade of A in a given course, the student receives *three* times as many quality points as semester hours credit allowed for that course; for a grade of B, *twice* as many quality points as semester hours; for the grade of C, *just as many* quality points as semester hours. For the grade of D, quantity points are allowed, but no quality points. For the grade of F, neither semester hours nor quality points are credited, but the semester hours are added as hours attempted in computing a student's standing and credit point ratio.

Graduation Honors Graduation honors are computed according to the quality point system. A student's graduation average is determined by dividing the total number of quality points earned by the total number of semester hours attempted by the student during his entire course. Semester hours carried include all hours attempted, excluding authorized withdrawals, not including failures and all attempts at a course which has been repeated in order to raise the total of quality points. A student who has made an average of 2.5 graduates *cum laude;* one who has made an average of 2.8, *magna cum laude;* one who has made an average of 3, *maxima cum laude.* Record of these honors is inscribed on the diplomas and noted in the list of graduates published for the Commencement Exercises.

BACHELOR OF SCIENCES — MEDICAL TECHNOLOGY

FRESHMAN YEAR

Course No.			Sem. Hrs.
En.	101-2	English Composition	6
Lang.	101-2	French, German, Spanish	6
Ch.	101-2	General Chemistry	8
Bl.	105-6	Zoology	8
Md.	101-2	Medical Technology	8
Th.	103-4	Moral Guidance	4
			40

SOPHOMORE YEAR

Course No.			Sem. Hrs.
En.	201-2	English Literature	6
Lang.	201-2	French, German, Spanish	6
Ch.	201	Organic Chemistry	4
Ch.	302	Quantitative Analysis	4
Bl.	201	Comparative Anatomy	4
Bl.	303	Elementary Physiology	4
Md.	201-2	Medical Technology	8
Th.	105-201	Apologetics, The Creed	4
			40

SUMMER SESSION

Course No.			Sem. Hrs.
Bl.	301	Bacteriology	4
Bl.	302	Histology	4
			8

JUNIOR YEAR

Course No.			Sem. Hrs.
Pl.	201-2	Logic, Epistemology	4
Pl.	203-4	Ontology, Cosmology	4
Ch.	309-10	Biological Chemistry	8
Bl.	305	Parasitalogy	4
Bl.	306	Microtechnique	4
Md.	301-2	Medical Technology	8
Th.	202-302	Channels of Redemption	2
		Sacred Scripture	2
			36

SENIOR YEAR

Course No.			Sem. Hrs.
Pl.	301-8	Psychology, Theodicy	4
Pl.	311-12	Ethics	4
Md.	390-1	Medical Technology	16
Th.	305-6	Christian Marriage	4
			28

DEPARTMENTS OF INSTRUCTION

The courses of instruction are numbered in accordance with a plan uniform throughout the University.

(a) Lower division courses, numbered from 100 to 199, are introductory. They are open to Freshmen and to Sophomores.

(b) Lower division courses, numbered from 200 to 299, are more advanced. For these courses, introductory training in the same or allied subjects is a prerequisite.

(c) Upper division courses, numbered from 300 to 399, are intended for undergraduate students of Junior or Senior standing.

(d) Odd numbers indicate courses given in the first semester, from June to September and January to June; even numbers indicate those given in the second semester from January to May.

Each course number is preceded by its departmental designation.

DEPARTMENT OF BIOLOGY

Dr. Arnold, Chairman Dr. Moore Prof. Merilh
Prof. Duggan Prof. Goetz Mr. Schneidau

Bl. 101 General Botany A course designed to acquaint the student with the biology of the plant kingdom. Fundamental principles, including the morphology and physiology of the cell, are first considered. A study is then made of the morphology, relationships, and life histories of representative examples of the major plant groups. Genetics and the economic importance of certain plants are considered briefly.

Two lectures and two laboratories
Offered every year. 4 sem. hrs.

Bl. 104 General Zoology A continuation of Course Bl. 101 A comprehensive study is made of typical invertebrate and vertebrate animals. Cell division, embryology, and heredity are also considered.

Two lectures and two laboratory periods.
Offered every year. 4 sem. hrs

Bl. 105. Invertebrate Zoology. A study of the underlying principles of animal life. The taxonomy, morphology, physi-

ology, life history, habits, and distribution of the invertebrate phyla are considered.

Two lectures and two laboratory periods. 4 sem. hrs.
Offered every year.

Bl. 106. Vertebrate Zoology. A study of the taxonomy, morphology, physiology, life history, habits, and distribution of vertebrate animals. Reference is made to the lower chordate animals. Embryology, Genetics, and Ecology are considered briefly.

Two lectures and two laboratory periods.
Prerequisite: Bl. 105. Offered every year. 4 sem. hrs.

Bl. 201. Comparative Anatomy of the Vertebrates. An intensive study of type forms as a preparation for human anatomy.

Two lectures and two laboratory periods.
Prerequisite: Bl. 105-106 or Bl. 101-4. 4 sem. hrs.

Bl. 301 Bacteriology This course embraces bacteriological technique, the classification and the study of the properties of important non-pathogenic and pathogenic bacteria. The principles of immunity and serology, and a brief survey of filtrable viruses are also considered.

Two lectures and two laboratory periods.
Prerequisite: Bl. 201. Offered every year. 4 sem. hrs.

Bl.302 General Histology The study of the microscopic structure of tissues and organs of the mammalian body, and the study of the fundamentals of hematology.

Two lectures and two laboratory periods.
Prerequisite: Bl. 201. Offered every year. 4 sem. hrs.

Bl. 303 Elementary Physiology A course in the fundamentals of mammalian anatomy and the normal functions of tissues and organs, with special emphasis on the human type. (Formerly Bl. 206).

Three lectures and one laboratory period.
Prerequisite: Bl. 201. Offered every year. 4 sem. hrs.

Bl. 305 Animal Parasitology. A study of parasites in relation to disease. The various types of parasites, their life histories, and the conditions which they cause will be considered.

Two lectures and two laboratory periods.
Prerequisite: Bl. 201. Offered every year. 4 sem. hrs.

Bl. 306. Animal Microtechnic. A course in the principles and methods of preparing animal material for microscopical study. The student is given practice in fixing, embedding, sectioning, staining, and mounting tissues; the preparation of whole mounts.

One lecture or conference, and at least three laboratory periods a week.

Prerequisite: Bl. 302. Offered every year. 4 sem. hrs.

Bl. 310. Pothier Seminar. The seminar is composed of the staff and of students majoring in Biology, as well as others interested in the subject. The work of the seminar consists in the reading and discussion of papers on biological subjects by the members and lectures by visiting scientists.

Offered every year. No credit.

Bl. 390-391. Biological Problems. This is a course to allow the student to carry on advanced biological work under faculty supervision. This course is open to Seniors.

Prerequisite: Three years of Biology.

Offered every year. Credit determined by work done.

DEPARTMENT OF CHEMISTRY

Rev. Francis, S.J., Chairman
Prof. Bailey

Ch. 101. General Inorganic Chemistry. Fundamental principles of Chemistry; the laws of chemical action and a description of the metallic and non-metallic elements and their compounds.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

Ch. 102. General Inorganic Chemistry. A detailed study of the metallic elements and their salt formations, solution, ionization, precipitation, and qualitative analysis. Detection of the common cations and anions, based on the application of chemical principles.

Two lectures and two laboratory periods.

Prerequisite: Ch. 101. Offered every year. 4 sem. hrs.

Ch. 201. Organic Chemistry. Discussion of the important compounds of aliphatic and aromatic series and preparation of typical compounds.

Two lectures and two laboratory periods.

Offered every year. 4 sem. hrs.

Ch. 202. Organic Chemistry. A continuation of Ch. 201.
Two lectures and two laboratory periods.
Offered every year. 4 sem. hrs.

Ch. 301. Inorganic Qualitative Analysis. A study of anions and cations—their identification.
Two lectures and two laboratory periods.
Offered every year. 4 sem. hrs.

Ch. 302. Inorganic Quantitative Analysis. Gravimetric and volumetric methods.
One lecture and three laboratory periods.
Offered every year. 4 sem. hrs.

Ch. 309-310. Elementary Biological Chemistry. A study of the chemical constituents of the body. The chemistry and functions of the carbohydrates, fats, proteins, vitamins, and mineral elements of foods.
Offered every year. 8 sem. hrs.

DEPARTMENT OF ENGLISH

Rev. O'Connor, S.J., Chairman
Dr. Eberle Rev. Quirk, S.J. Dr. Horne
Rev. Maher, S.J.,

En. 101. Freshman Composition. Principles of *effective* writing. Exercises in précis work, essays, speeches.
Offered every year. 3 sem. hrs.

En. 102. Freshman Composition. Principles of *artistic* writing. Exercises in narrative and descriptive forms, and the familiar essay.
Offered every year. 3 sem. hrs.

En. 201 A Survey of English Poetry and Prose Political, intellectual, and religious background from Beowulf to the Romantics. The course is required of all Sophomores. Offered every year. (I) 3 sem. hrs.

En. 202 A Survey of English Poetry and Prose From the Romantics to the present day. This course is required of all Sophomores. Offered every year. (II) 3 sem. hrs.

DEPARTMENT OF MEDICAL TECHNOLOGY

Dr. Arnold, Chairman Dr. Moore
Prof. Duggan Dr. Gaudet Dr. Couret Dr. Hauser
Prof. Merilh Dr. Kron Dr. Delery
Prof. Goetz

Md. 101 A course to acquaint the prospective Medical Technician with the ethics of the profession. The course includes a thorough study of the principles and practice of Hematology. Offered every year. 4 sem. hrs.

Md. 102 A course designed to instruct the student in the care and use of laboratory equipment and the principles of urinalysis. Offered every year. 4 sem. hrs.

Md. 201 This course includes a review of the fundamentals of urinalysis and hematology, and detailed studies in the technique of electrocardiography and basal metabolism.
Offered every year. 4 sem. hrs.

Md. 202 A study of the principles of gastric analysis. Duodenal analysis and fecal analysis.
Offered every year. 4 sem. hrs.

Md. 301 A comprehensive review of all preceding courses with further studies in techniques and interpretation of results. The following subjects are included:

Urinalysis	Gastro-Enterology
Hematology	Pathogenic Bacteriology
Serology	Basal Metabolism
Tissue Sections	Electrocardiography
Parasitology	Museum Preparation Technique
Fecal Analysis	Gross and Microscopic Photography

Offered every year. 4 sem.hrs.

Md. 302 Continuation of Md. 301
Offered every year. 4 sem.hrs.

Md. 390-391 This course is a practical application of principles of Medical Technology which have been covered in the preceding courses in the department. This course is of one year duration. It is taught in various local hospitals or private laboratories which have been approved by the American Medical Association and the American Society of Clinical Pathologists. Practical laboratory internship experience is allowed for this course. 16 sem. hrs.

DEPARTMENT OF MODERN LANGUAGES

Dr. Amiel, Chairman
Rev. Soniat, S.J. Mr. DeMorelos
Prof. Baker

A. French

Fr. 001-002 Basic French This course aims to give the essentials of French: pronunciation, grammar, reading. The semester hours credit will be allowed toward the completion of the total hours for graduation but not toward the fulfillment of the language requirements.
Offered every year. 6 sem. hrs.

Fr. 101-102 Intermediate A continuation of French 001-002: grammar, graded composition, reading, conversation. Prerequisite: French 001-002, or a passing grade in a qualifying examination. Offered every year. 6 sem. hrs.

Fr. 201-202 Précis of French Literature A rapid survey of the dramatic literature from the Middle Ages to modern times. Special emphasis given to the drama of the eighteenth and nineteenth centuries. Collateral reading and composition. Offered every year. 6 sem. hrs.

B. Spanish

Sp. 001-002 Elementary A course intended to give the essentials of grammar. The semester hours credit will be allowed toward the completion of the total hours required for graduation, but not toward the fulfillment of the language requirement. Offered every year. 6 sem. hrs.

Sp.101-102 Intermediate Review of grammar; composition and reading. Prerequisite: Sp. 001-002 or a passing grade in a qualifying examination. Offered every year. 6 sem. hrs.

Sp. 201-202 Survey A survey of Spanish literature. Collateral reading and composition. Offered every year.
6 sem. hrs.

C. German

Gr. 001-002 Elementary A course intended to give the essentials of grammar. The semester hours credit will be allowed toward the completion of the total hours required for graduation, but not toward the fulfillment of the language requirement. Offered every year. 6 sem. hrs.

Gr. 101-102 Intermediate Review of grammar; composition and reading. Prerequisite: Gr. 001-002 or a passing grade in a qualifying examination. Offered every year. 6 sem. hrs.

Gr. 201-202 Survey A survey of German literature. Collateral reading and composition. Offered every year. 6 sem. hrs.

DEPARTMENT OF PHILOSOPHY

Rev. Burke, S.J., Chairman
Rev. Shields, S.J. Rev. Mulherin, S.J.

Pl. 201 Dialectics Definition and division of philosophy; natural and scientific logic; material elements of logic; acts of the mind; nature of these acts, their kinds, properties, and external expression; formal elements of logic; forms of argumentation; fallacies. Offered every year. 2 sem. hrs.

Pl. 202 Epistemology The study of truth, logical and moral; falsity; the study of the mind in relation to truth; ignorance; doubt; opinion; nature and kinds of certitude; scepticism; agnosticism; materialism; positivism; idealism; rationalism; traditionalism; criteria of truth. Offered every year. 2 sem. hrs.

Pl. 203 Ontology Being, its objective concept; essence; states of being; existence; possibility, internal and external; source of internal possibility; kinds of beings: substance and accident; distinction between nature and person; attributes of being; principle of causality. Offered every year. 2 sem hrs.

Pl. 204 Cosmology The origin of the world; monism; pantheism; materialism; creation: formation and finality of the world; the constructive properties of bodies; atomism; dynamism; hylomorphism; substantial changes; the laws of nature; miracles: definition, possibility, cognoscibility. Offered every year. 2 sem. hrs.

Pl. 301 Psychology Life in general; empirical observation of vital action; the power of self-motion; purposive activity; immanency of action; scholastic concept of life; the three essentially different grades of life; the prime principle of life; the theory of evolution; the nature of the soul; the origin of the soul; the immortality of the soul; union of soul and body. Offered every year. 2 sem. hrs.

Pl. 308 Theodicy Atheism, agnosticism; deism, theism; the existence of God; the essence of God; the divine attributes; God and the world; the materialistic and pantheistic concept of God. Offered every year. 2 sem. hrs.

Pl. 311-312 Ethics Definition, nature, object, and necessity of ethics; subjective and objective ultimate end of man; human action, its merit and imputability; norm of morality, true and false; man's duty to his Creator; man's duty to himself; man's duty to his neighbor; duties to property; society; domestic, civil, international, religious. Offered every year. 4 sem. hrs.

DEPARTMENT OF PHYSICS AND MATHEMATICS

Rev. Maring, S.J., Chairman
Prof. Montasterio Mr. Daspit
Prof. Strohmeyer

A. Physics

Ph. 201-203 General Physics The principles of mechanics, heat, sound, light, magnetism, electricity, and fundamentals of atomic physics constitute this two-semester course. Two lectures each week. Prerequisite: Mt. 101 or 103, and 105. 4 sem. hrs.

Ph. 202-204 General Physics Laboratory course. About fifty graded experiments in mechanics, heat, sound, light, magnetism, and electricity. This course is the companion to Ph. 201-203. Two laboratory periods per week. 4 sem. hrs.

B. Mathematics

Mt. 101 College Algebra Fundamental algebraic operations: addition, subtraction, multiplication, division, factoring, equations; theory of equations. This course fulfills the algebra requirements for all students except those who elect their field of concentration in mathematics or chemistry or physics. Offered every year. 3 sem. hrs.

Mt. 105 Plane Trigonometry Trigonometric functions of acute angles; use of the table of natural functions; the right triangle; trigonometric functions of any angle; functions of the sum of the difference of two angles; the oblique triangle; graphs of functions; trigonometric identities and equations; applications of trigonometry to algebra. Offered every year. 3 sem. hrs.

DEPARTMENT OF THEOLOGY

Rev. Ray, S.J., Chairman
Rev. Mulherin, S.J. Rev. Shields, S.J.

Th. 101 A Survey of Catholic Doctrine and Practice This course is offered every year for students who have had no religion courses in high school. It embraces the fundamental concepts every Catholic student should know concerning the Creed, the Sacraments, and the Ten Commandments.
2 sem. hrs.

Th. 104 Moral Guidance A study of the principal laws which God has given to man to guide him in his moral conduct. 2 sem. hrs.

Th. 105 Apologetics Revelation, the historicity of the Gospels; the Divinity of Christ; the Church of Christ; the Primacy of Peter; infallibility; the marks of the Church. Offered every year. 2 sem. hrs.

Th. 201-202 Channels of Redemption A detailed study of the Sacraments; actual and sanctifying grace. Offered every year. 4 sem. hrs.

Th. 301 Christian Life and Worship What it means to be a Christian; a Christocentric universe; an interpretative study of the liturgy of the Church. 2 sem. hrs.

Th. 302 Sacred Scripture The Bible in general; inspiration canon of the Bible; rules of interpretation; exegesis of selected parts of the New Testament; the Life of Christ.
2 sem. hrs.

Th. 305-306 Christian Marriage Notions on morality; the Church's part in determining morality; the power of the state and Church over marriage; prenuptial requirements; premarital chastity; general preparation for marriage; rights and duties of married couples; birth control; divorce. Offered every year. 4 sem. hrs